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APPLICANT

Onur G. Guleryuz

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## U.S. PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
/YK/AA	2003/0086623	5/8/03	Berkner, et al.			
AB	6,496,604	12/17/02	Bricourt			
AC	6,311,297	10/30/01	Kondo, et al.			
AD	6,263,108	7/17/01	Kondo, et al.			
AE	6,163,868	12/19/00	Kondo, et al.			
AF	5,936,674	8/10/99	Kim			
AG	5,912,707	6/15/99	Kim			
AH	5,841,477	11/24/98	Kim			
AI	5,751,361	5/12/98	Kim			
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
AL	WO 02/096118	11/28/02	PCT			

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

/YK/AM	"Translation-Invariant De-Noising", R.R. Coifman and D.L. Donoho, Yale University and Stanford University, pp. 1-26
AN	"Ideal Spatial Adaptation by Wavelet Shrinkage", David L. Donoho, Iain M. Johnstone, Dept. of Statistics, Stanford University, Stanford CA, June 1992, Revised April 1993, pp. 1-30
AO	"Error Resilient Video Coding Techniques", Real-Time Video Communications over Unreliable Networks, Yao Wang, et al., <i>IEEE Signal Processing Magazine</i> , July 2000, pp.61-82
AP	"A Dual-Tree Complex Wavelet Transform with Improved Orthogonality and Symmetry Properties", Nick Kingsbury, Signal Processing Group, Dept. of Engineering, University of Cambridge, Cambridge UK
AQ	"On the Importance of Combining Wavelet-Based Nonlinear Approximation with Coding Strategies", Albert Cohen, et al., <i>IEEE Transactions on Information Theory</i> , Vol. 48, No. 7, July 2002, pp 1895-1921
AR	"Concealment of Damaged Block Transform Coded Images Using Projections onto Convex Sets", Huifang Sun, et al., <i>IEEE Transactions on Image Processing</i> , Vol. 4, No. 4, April 1995, pp. 470-477

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PAGE 2 OF 2			FILING DATE Herewith	GROUP Not Yet Assigned
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)				
/YK/	AA1	"Spatially Adaptive Image Denoising Under Overcomplete Expansion", Xin Li and Michael T. Orchard, Department of Electrical Engineering, Princeton University, <i>IEEE 2000</i> , pp. 300-303		
	AB1	"Spatially Adaptive Wavelet Thresholding with Context Modeling for Image Denoising, S. Grace Chang, et al., <i>IEEE Transactions on Image Processing</i> , Vol. 9, No. 9, September 2000, pp.1522-1531		
	AC1	"Error Control and Concealment for Video Communication: A Review", Yao Wang and Qin-Fan Zhu, <i>Proceedings of the IEEE</i> , Vol. 86, No. 5, May 1998, pp. 974-997		
	AD1	"De-Noising by Soft-Thresholding", David L. Donoho, <i>IEEE Transactions on Information Theory</i> , Vol. 41, No. 3, May 1995, pp. 613-627		
	AE1	"Analysis of Multiresolution Image Denoising Schemes Using Generalized Gaussian and Complexity Priors", Pierre Moulin and Juan Liu, <i>IEEE Transactions of Information Theory</i> , Vol. 45, No. 3, April 1999, pp. 909-919		
	AF1	"Interpolation of Missing Data in Image Sequences", Anil C. Kokaram, et al., <i>IEEE Transactions of Image Processing</i> , Vol. 4, No. 11, November 1995, pp. 1509-1519		
	AG1	"Information Loss Recovery for Block-Based Image Coding Techniques-A Fuzzy Logic Approach", Xiaobing Lee, et al., <i>IEEE Transactions on Image Processing</i> , Vol. 4, No. 3, March 1995, pp. 259-273		
	AH1	"DCT Coefficients Recovery-Based Error Concealment Technique and Its Application to the MPEG-2 Bit Stream Error", Jong Wook Park, et al., <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , Vol. 7, No. 6, December 1997, pp. 845-854		
	AI1	"A Parametric Texture Model Based on Joint Statistics of Complex Wavelet Coefficients", Javier Portilla and Eero P. Simoncelli, Center for Neural Science, and Courant Institute of Mathematical Sciences, New York University, New York, NY, <i>International Journal of Computer Vision</i> 40(1), pp. 49-71, 2000		
	AJ1	"Filling-In by Joint Interpolation of Vector Fields and Gray Levels", Coloma Ballester, et al. <i>IEEE Transactions on Image Processing</i> , Vol. 10, No. 8, August 2001, pp. 1200-1211		
	AK1	"Nonlinear approximation", Ronald A. DeVore, Department of Mathematics, University of South Carolina, Columbia, SC, <i>Cambridge University Press</i> , 1998, PP. 51-150		
	AL1	"Errorless Restoration Algorithms for Band-Limited Images", Paulo Jorge S. G. Ferreira and Armando J. Pinho, <i>IEEE</i> , 1994, pp. 157-161		
	AM1	"Transform Coded Image Reconstruction Exploiting Interblock Correlation", Sheila S. Hemami and Teresa H.-Y. Meng, <i>IEEE Transactions on Image Processing</i> , Vol. 4, No. 7, July 1995, pp. 1023-1027		
	AN1	"Combining Frequency and Spatial Domain Information for Fast Interactive Image Noise Removal", Anil N. Hirani, Takashi Totsuka, Sony Corporation,		
	AO1	"Reconstruction of Baseline JPEG Coded Images in Error Prone Environments", Shahram Shirani, et al., <i>IEEE Transactions on Image Processing</i> , Vol. 9, No. 7, July 2000, pp. 1292-1299		
✓	AP1	"Fast DCT-Based Spatial Domain Interpolation of Blocks in Images", Ziad Alkachouh and Maurice G. Bellanger, <i>IEEE Transactions on Image Processing</i> , Vol. 9, No. 4, April 2000, pp. 729-732		
EXAMINER Yosef Kassa/			DATE CONSIDERED 05/14/2007	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>( Not for submission under 37 CFR 1.99)</i>	Application Number		10779540
	Filing Date		2004-02-13
	First Named Inventor		Onur G. Guleryuz
	Art Unit		2624
	Examiner Name		Bhavesh M. Mehta
	Attorney Docket Number		AP183HO

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Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/YK/	1	6587592	B2	2003-07-01	Georgiev, et al.	
	2	5081690		1992-01-14	Tan, Hin-Leong	
	3	6862366	B2	2005-03-01	Bhattacharjya, Anoop	
	4	6636565	B1	2003-10-21	Kim, Eung Tae	
	5	6643406		2003-11-04	Hajjahmad, et al.	
	6	6549674		2003-04-15	Chui, et al.	
	7	6611627		2003-08-26	LaRossa, et al.	
↓	8	6377280		2002-04-23	Acharya, et al.	
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Application Number	10779540
Filing Date	2004-02-13
First Named Inventor	Onur G. Guleryuz
Art Unit	2624
Examiner Name	Bhavesh M. Mehta
Attorney Docket Number	AP183HO

/YK/	1	GULERYUZ, Onur G., "Weighted Overcomplete Denoising", Conference Record of the Thirty-Seventh Asilomar Conference on Signals, Systems and Computers, pp. 1992-1996, IEEE, November 9, 2003	<input type="checkbox"/>
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